

The Automobile Simplified

By PHILIP C. GIBSON, M. E.

There is a great deal of talk about the simplification of the automobile. It is a very good idea, and one that is being carried out in many quarters. It is the aim of this article to point out some of the ways in which this can be done.

It is not necessary to have a complicated machine. A simple, reliable, and economical car is what is needed. This can be achieved by using standard parts and simplifying the design.

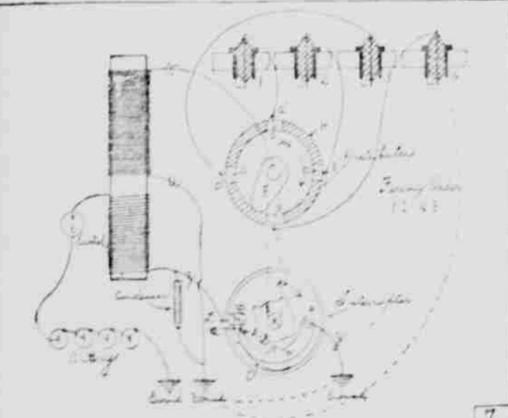
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The first step in simplification is to use standard parts. This means that all the parts of the car should be interchangeable. This will save a great deal of money and make repairs much easier.

Another step is to simplify the design. This means that the car should be as simple as possible. There should be no unnecessary parts or complicated mechanisms.

The final step is to make the car economical. This means that it should use as little fuel as possible and have a long life.



The diagram illustrates the internal components of the engine, showing the cylinder, piston, and crankshaft. It also shows the chassis and wheels, providing a clear view of the car's mechanical structure.

The text accompanying the diagram explains the function of each part and how they work together to power the car. It emphasizes the importance of proper maintenance and the use of quality parts.

The diagram is a detailed technical drawing, showing the intricate details of the engine and chassis. It is a valuable resource for anyone interested in the mechanics of an automobile.

Valve-In
Head
Motor Cars



Touring Cars
AND
Roadsters

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Buying a Buick Motor car is closely akin to buying a good farm or a good bond. A Buick Motor car is what the bankers call a cash asset. There are thousands of bankers who would just as soon lend money on a car load or a train load of Buick Motor cars as on the best farm lands.

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The Big Idea Back of Buick Success

Back of every commercial success there is a big idea. The bigness of the success is always in proportion to the bigness and soundness of the idea.

The public has discovered that back of every Buick Motor car there is a fixed and definite engineering idea—as big and sound as the motor car industry itself.

The idea is the Buick Valve-in-Head motor. It is an idea that has been the corner-stone of Buick success. In time we confidently predict that it will be the universally accepted principle of motor car design. Manufacturers are today adopting this idea as rapidly, if more reluctantly, than the public. The public proved it long ago, and one by one the manufacturers are admitting its soundness. It is the biggest idea ever conceived in connection with the development and manufacture of motor-propelled vehicles.

The demand for Buick Valve-in-Head Motor cars has always been and is now in exact ratio to the spread of knowledge concerning the methods of designing and building motor cars. Today this demand is so insistent that even the greatly enlarged Buick plant cannot fully supply it.

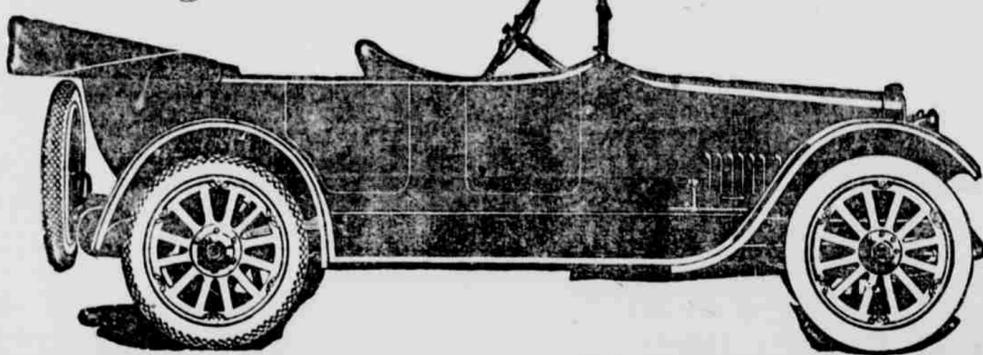
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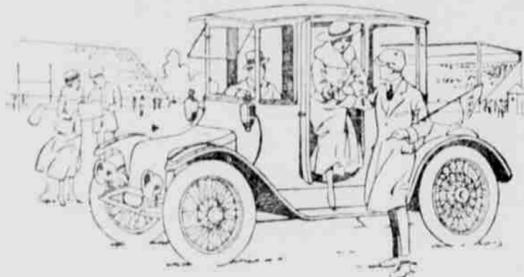
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